



GRiffin & HOWE, Inc.



RIFLE MAKERS
SPORTSMEN'S EQUIPMENT



234~240 E. 39TH STREET
NEW YORK

INTRODUCTION

IN submitting this new improved catalog to sportsmen, we extend our thanks to our customers for the continued and increased patronage we have received since our last catalog was published.

SEYMOUR GRIFFIN, *President.*

JOHN M. HOLZWORTH, *Treasurer.*

GRiffin & HOWE, INC.



GRiffin & HOWE RIFLES

ONE GRADE ONLY — THE BEST

FINE RIFLES are more highly prized than ever before. Even in the heyday of American gunsmithing—before breechloaders, machinery and mass production became the rage—when a few outstanding Yankee gunsmiths produced weapons by hand which surpassed the best of every other country, there was less appreciation of fine workmanship than there is today. And, of course, once again hand work rules. The hunter or marksman seeking, with true rifleman's instinct, an arm of individual specifications and charm, obtains his ideal in a Griffin & Howe. Gets it, too, out of a shop as glamorous as any gunsmith's shop of old. No gunmaker in even the best days of the 'forties was ever visited by a more

distinguished clientele of far-traveled sportsmen and renowned marksmen than those who now make Griffin & Howe's a rendezvous known 'round the world.

We build our rifles to order in our own factory, using the finest precision machinery, the best materials that it is possible to obtain, and employing only the most skilled workmen. Every rifle is strictly made to order to the smallest detail of the customer's specifications. Every wish is meticulously met, subject only to our insistence that the arm must be safe and sure in functioning. The stock is made to fit exactly, sights are constructed so as to conform to individual eyesight and methods of aim, and every detail is given the most minute and expert attention. After all details as to design are determined upon, it requires from one to two months to build a Griffin & Howe rifle.

By "Best Grade" rifles, we do not mean necessarily fancy or highly ornamented rifles. A rifle may easily be of the highest grade and not be ornamented in any way. Rather we mean rifles made of the very best materials it is possible to obtain, and in which every attention is given to finish, beauty of line, fit, accuracy, and functioning. Such fine rifles are far more suitable and durable in severe service than any that can be made by quantity production.

A sportsman may be starting on a hunting trip for which he has planned and saved for years. This trip may cost him a great deal of money; yet its whole success may hinge on the selection of his rifle. It is idle to economize in such cases. Frequently the rifle may be used in a critical situation when the hunter's life is in danger, and in such an instance a stock that fits properly and permits accurate snap shooting, sights which are quickly caught by the eye, a breech action which functions smoothly, swift and silent, without hitch or jam, a trigger without creep, a safety which is positive, easily and noiselessly operated, a bore and cartridge with which the bullet can be placed exactly where desired, and a caliber and construction of bullet which insures a quick kill—all are details to which the rifleman can ill afford to be indifferent.

Our rifles are the most modern made anywhere. They have been put to the severest tests under actual hunting conditions from Alaska to the Amazon, and in Africa and India, and have always given great satisfaction. The members of our firm include sportsmen who have hunted, and still are hunting all over the world, and who know from long and hard experience what qualifications the weapons and equipment of wilderness hunters and explorers should have. This knowledge is greatly augmented by the experience and opinions of the very many famous sportsmen and marksmen among our best known customers.

This catalogue indicates the general character, appearance, style and finish of our output. The types are those usually in demand. Bear in mind, however, that ours is a modern specialized shop where our customers can get what they want as they want it, and if you wish you may "write your own ticket."

DETAILS OF SPECIFICATIONS

BREECH ACTIONS: We make our rifles with bolt actions, as only such actions have the strength to continuously stand firing thousands of shots with modern cartridges which give pressures around 45,000 pounds per square inch.

Our rifles are regularly made on the Mauser action, as we believe this to be the strongest and finest action obtainable. It is the only action suitable for "Magnum" cartridges. A special action is produced by Waffenfabrik Mauser, designed for this purpose. We also use the Springfield action, for cartridges to which it is adapted; but in every case this action must be furnished by the customer. They may be obtained from the Government by any American citizen who is a member of the National Rifle Association. If desired we can furnish Remington or Winchester bolt actions instead of the Mauser. The following tabulation will show at a glance the actions adapted to the various cartridges for which Griffin & Howe rifles are built:

Mauser (Magnum): .275 H. & H., .300 H. & H., .350 G. & H., .375 H. & H., .404 and .416, Magnum.
Mauser (Standard): .25 h.p. 7 mm., .30/06, .35 and .400 Whelen.

Mauser (Short): .250/3000, 6.5 mm. and .35 Rem.

Springfield: .25 h.p., 7 mm., .30/06, .35 and .400 Whelen.

Remington: .250/3000, 6.5 mm., .25 Rem., 7 mm., .30/06, .35 Rem., and .400 Whelen.

Winchester M54: .25 h.p., 7 mm., .30/06, .35 and .400 Whelen.

BARRELS: Our barrels are made of either chrome-nickel or Poldi Anti-corro steel as desired. The latter is practically rust-proof. They are rifled with extreme care to give the most perfect fit of the bullet. The outside dimensions and shape are such as will give the most even vibration and accuracy. They can be had round, full ribbed or half ribbed, light, medium or heavy weight, and in lengths 20 to 24 inches for hunting rifles and up to 30 inches for target rifles. We do not cut slots in our barrels, which usually interfere with fine accuracy, but fit all sights by means of bands encircling the barrel. Our chambers are reamed so that they are absolutely straight with the axis of the bore, and their dimensions have been subjected to the closest study to attain the highest degree of accuracy and reliability in functioning.

STOCKS: The Circassian walnut used in our stocks is imported by us and aged in our shop until it is thoroughly dry and seasoned. Some pieces are, of course, finer than others, but all are of the best obtainable gun-stock material. The color (dark, medium or light) and the figure (wavy, cloudy or plain) should be specified if you have any particular preference in the matter. Though we have made straight grip stocks, the full pistol grip style is by far the most popular and, in our opinion, the best.

Our usual forearm is almost round in cross section and is both good looking and practical. Beaver-tail forearms are sometimes used on hunting rifles and are quite popular on arms fitted with telescopic sights. The forearm tip may be either of the rounded English type or the American knob (snobble); both types may be had either in plain wood or buffalo horn.

Our stocks and forearms are finished by soaking and hand rubbing with linseed oil. This is known as the dull English finish. We never use varnish unless it is specifically ordered and never advise it.

Advice on selection of stock dimensions is given to suit the individual shooter whenever requested.

ENGRAVING: We make a specialty of engraving and matting, including inlaying with gold, silver, or platinum. Receivers, floor-plates, trigger guards, barrels, sights, bands, sling swivels, butt-plates, pistol grip caps, and screw-heads can be engraved and matted, and initials, monograms, coats of arms, and scenes executed in the very best and most artistic manner.

SLINGS: We recommend and supply the Whelen gun sling, as being superior to any other.

TRIGGERS: A checked trigger, of the single type, having a clean, sweet pull of from three to five pounds, is recommended on all hunting rifles.

SIGHTS: Any sights desired can be supplied, or we can make special sights to order. For hunting rifles we particularly recommend rear sights made on the Lyman principle (large aperture near the eye), and with micrometer adjustments for elevation and windage. With anything less efficient the shooter can hardly avail himself of the superb accuracy of our rifles.

TELESCOPE SIGHTS: We can provide and mount any suitable type of telescope sight, and regularly furnish those made by Hensoldt, Zeiss, Stevens, Winchester, Belding and Mull, and Fecker, with Griffin & Howe, Winchester, or Belding and Mull mountings, as may be desired and appropriate.

PROOF FIRING: All of our rifles are fully proved by firing in our own shop, and pass a rigid inspection for functioning and smooth operation.

SPECIFICATIONS: This catalogue will give the prospective customer a general idea of the type of rifles called for by progressive American riflemen, and assist in the writing of the specifications for the rifle desired. It is not to be inferred, however, that they represent the only work of which our factory is capable. Consultation is invited.

CHOICE OF A RIFLE

While the data covering each rifle described in the catalogue, gives the reader information of the uses for which it is best adapted, which will be of some assistance in the choice of a rifle, a few general words on the subject may also be of assistance. While the weight of the rifle will within certain limitations be fixed by the use for which it is intended, a certain leeway will always be possible, and the rifle should be chosen with regard to the strength of the user in carrying it and also to the ruggedness or smoothness of the country to be hunted. Also the terrain of the country, determining whether shots will be at long or short range, should be considered in deciding whether a very high velocity or more moderate velocity rifle is most appropriate. As to the power or striking energy of the rifle to be chosen, it is better to err on the side of excessive power in a rifle rather than to have it too

light. While a great many well known hunters have had excellent success with small calibers of moderate power, it has usually been due to the fact that through experience and fine marksmanship they have been able to consistently place their shots in vital points of the game. The average hunter is unable to do this, and the only way to compensate for it is to get as close as possible to his game and use a rifle sufficiently powerful that, though he may not exactly hit a vital point, yet the power or shock of the blow will be sufficient to bring the game down, and thus avoid a long pursuit after wounded game, with considerable exertion to the hunter, and what is even more important, needless pain and suffering to the game, and in many cases lingering agony which often occurs when the game is able to escape the pursuer but eventually lies down and dies.

MAGNUM RIFLES



.300 H. & H.

.275 H. & H.

.375 H. & H.

.350 G. & H.

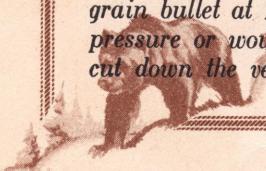
.404

The .350 Magnum cartridge was developed by us on the recommendation of Mr. Leslie Simpson, an American sportsman who has had more continued and varied experience in African shooting than any other American. Mr. Simpson said:

"What I think the average American coming out to shoot in Africa should bring, is a rifle taking a .350 cartridge with a heavy bullet and as high a velocity as possible compatible with pressure and weight of rifle. My idea would be a 275-grain bullet at 2,500 foot seconds, or if this gives too much pressure or would necessitate the rifle being too heavy, then cut down the velocity rather than the bullet weight."

This advice appealed to us so much that we developed the very cartridge that Mr. Simpson recommended. Our .350 Magnum cartridge fires a 275-grain bullet at a muzzle velocity of 2,441 foot seconds. The bullet is semi-pointed, with an expanding point and a thick copper jacket. The recoil is very moderate, rather less than that of a 12-gauge shotgun. The accuracy is superb.

We believe that this rifle is more useful and effective in a practical way than any other Magnum weapon, and we thoroughly recommend it for Africa or for the larger game of America. The Magnum Mauser breech action is used. Rifles can be made as light as 8½ pounds. With the



rifle sighted to strike the point of aim at 200 yards, the 275-grain bullet will rise above the line of sight but 3 inches at 100 yards, and for longer ranges it will only be necessary to aim slightly higher on the animal above a vital area.

.300 MAGNUM RIFLES

These rifles are intended primarily for long-range shooting, such as plains shooting in Africa, or mountain hunting in northwestern America, or India. They have all the fine accuracy of the .30 caliber which has made it noted the world over, and at the same time their increased velocity and flat trajectory is such that with them the practical sporting range is increased approximately 100 yards over any other .30-caliber weapon, while at former .30-caliber ranges the killing power is also greatly increased.

Cartridges with three weights of bullets can be provided, 220, 180, and 150 grains. We always recommend the 220-grain bullet. This bullet is a most excellent projectile when used in a high intensity weapon. All bullets have a velocity above which they tend to fly to pieces too much for the best results. This 220-grain bullet has an extremely thick Lubaloy jacket, and a very small exposed lead point. It mushrooms well at sporting ranges when shot at a muzzle velocity of 2,550 foot seconds, and yet never fails to drive straight through bone and muscle to the vital portion of the animal notwithstanding the position in which the animal may be when hit.

The cartridge being a long one, we are obliged to use

the Magnum Mauser breech action, which is the best action for large cartridges. As this is a long-range weapon primarily, we strongly recommend at least a 24-inch barrel in order to attain as much velocity as possible with long-range accuracy. The rifle should not weigh less than $8\frac{1}{2}$ pounds. Any sight equipment can be furnished.

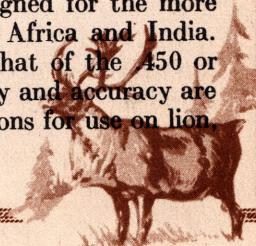
.375 MAGNUM RIFLES

Rifles of this caliber have proved most satisfactory for all around African shooting; that is, they are suitable for both plains and bush shooting of all antelope, and at the same time are powerful enough for lion, rhino, hippo and buffalo.

We recommend that rifles be ordered with 24- to 26-inch chrome-nickel steel barrels, to weigh $8\frac{1}{2}$ to 9 pounds. The recoil is moderate, about that of a 12-gauge shotgun with trap loads.

.404 AND .416 MAGNUM RIFLES

These calibers are the largest and most powerful that we recommend in use in the bolt-action repeater type of rifle. An examination of the ballistics will show that they compare very favorably with the cartridges designed for the more powerful double-barrel rifles for use in Africa and India. The muzzle energy is about equal to that of the .450 or .470 double rifle cartridges. The velocity and accuracy are higher. They make very suitable weapons for use on lion, rhino, hippo, buffalo and elephant.



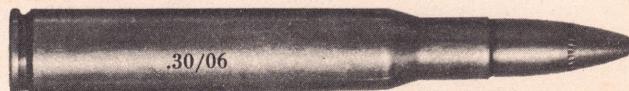


G. & H. .30/06 SPORTING SPRINGFIELD

The .30 caliber Model 1906 cartridge is unquestionably the most accurate and reliable cartridge ever produced. All long-range records have been made with it. It is without doubt the best all-around cartridge for American big game shooting, and for this continent we unquestionably recommend it above any other.

For moose, Alaska bear and elk we recommend the cartridge loaded with the 220-grain Western pin-point bullet which Stewart Edward White used with such remarkable results on lion in Africa. For country where long ranges are usually the rule, such as the open mountains of our Northwest, and for lighter game we recommend the 180-grain open-point Lubaloy bullet, because of its flatter trajectory and great killing power on thin-skinned animals such as deer and sheep.

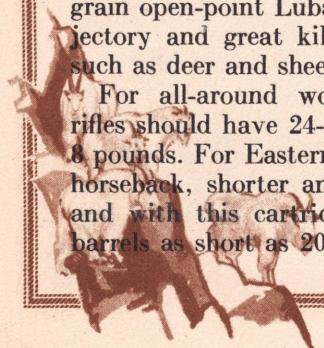
For all-around work, particularly long range work, rifles should have 24-inch barrels and should weigh about 8 pounds. For Eastern woods shooting, and for hunting on horseback, shorter and lighter rifles are very convenient, and with this cartridge are accurate and effective with barrels as short as 20 inches and as light as 7 1/4 pounds.



The Griffin & Howe remodelled Springfield rifle is the most popular arm we make to handle this cartridge. Also, our rifles on Mauser, Winchester and Remington actions are more often ordered in this caliber than in any other.

In the great game fields of the world it is probable that the remodelled military Springfield is the best known of all hunting rifles. There is no doubt that it is considered the most accurate and efficient of all modern "small bores." First designed and used by Stewart Edward White but a little over fifteen years ago, thousands have been built to constantly improved specifications. The most noted American hunters have carried them to all parts of the globe, using them successfully on every species of big and great game.

We do not exaggerate when we state positively that the remodelled Springfield is the best and most suitable "all 'round" rifle. It is the chosen arm of the American sportsman and is to be found in the hands of the most famous guides and professional hunters of Africa and Canada.





7 MM. RIFLES

There are many American sportsmen who desire a rifle which can be loaded with charges suitable for any game from a grizzly or a moose to a grouse or even a squirrel. Larger calibers than .30 are not suitable for this purpose, for a large ball tears or blows small game to pieces. These 7 mm. rifles are ideal all-around arms. With the 175-grain expanding bullet they are perfectly satisfactory for any American game in the hands of a good shot. With a 139-grain open bullet at the exceedingly high velocity of 3,000 foot seconds, they are excellent weapons for sheep at very long range. With a 139-grain full jacketed, sharp point bullet and a light charge of powder one can shoot grouse through the body without spoiling the meat for the table.

This light load is popular for shooting woodchucks, coyotes, foxes and other vermin.

Another advantage of this caliber is that it gives the lightest recoil of any rifle which can be regarded as powerful enough for all American big game. This is a distinct advantage to those sportsmen who find they are particularly susceptible to the effect of recoil. Connected with this also is the advantage that the rifle can be made exceedingly light in weight without undue recoil.

We build this rifle with Springfield, Mauser, Winchester or Remington bolt action, and any sight equipment. We particularly invite attention to the advisability of equipping telescope sights. Weight as low as $7\frac{1}{2}$ pounds, and barrel as short as 20 inches can be provided. In handling and in shooting, these 7 mm. rifles are perhaps the most pleasant of all sporting rifles, and we recommend them particularly to the older sportsmen, and to those who wish a light all-around weapon.

.35 WHELEN RIFLES

The .35 Whelen rifle was developed by us, using the same principles of boring, chambering and bullet design as Colonel Whelen used in his .400 cartridge, for which we also build rifles. The .35 Whelen uses bullets of three weights, 275, 250, and 220 grains, all with non-fouling jacket, and all propelled by DuPont nitro-cellulose powder. We recommend particularly the 250-grain bullet, which has shown most unusual killing qualities; but for lighter game the 220-grain bullet is equally good.

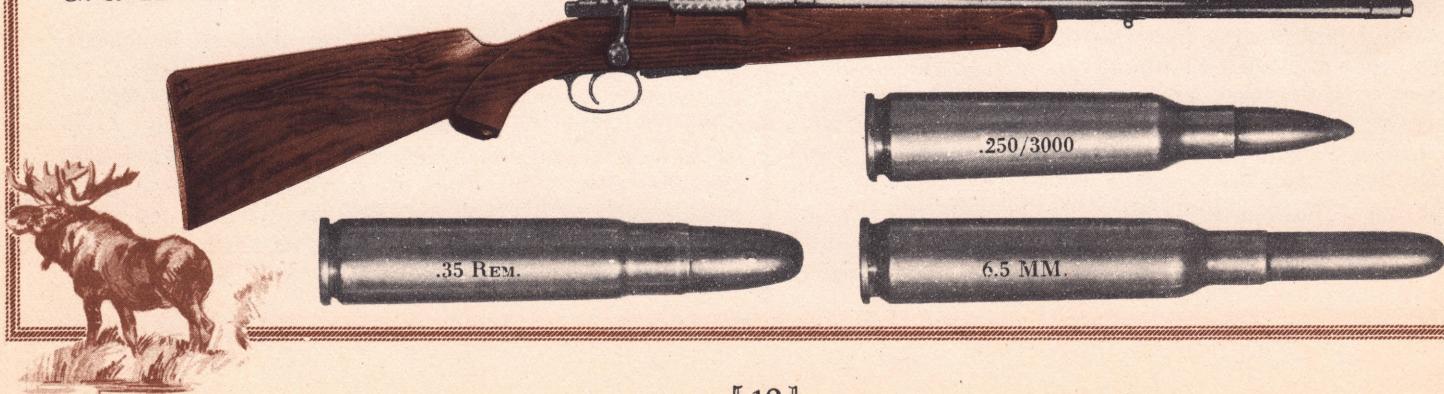
This rifle combines great stopping power with the finest accuracy and light recoil. The recoil is hardly more noticeable than with .30 caliber rifles, so that the sportsman can recover so quickly after a shot that he can place his bullets with most excellent accuracy and rapidity, which is very difficult with rifles of heavy recoil. In our target tests of

these rifles we have invariably found that the accuracy is practically the same that we obtain from .30/06 rifles. We do not believe that any more powerful cartridge is necessary for American game, its use in the game fields having proved that it almost invariably kills with the first shot.

We make up rifles of this caliber with Springfield, Mauser, Winchester or Remington breech action, and in a great variety of styles to suit the ideas of our customers. Rifles can be made as light as 8 pounds, and with barrel as short as 20 inches, although we recommend 24 inches. Barrel with full matted ribs can be furnished if desired. Any sight equipment can also be provided.

Recently one of our customers using one of these rifles returned from an Alaskan hunting trip on which he secured 25 head of big game, 22 of these killed each with a single shot. He used the 275-grain bullet, which was designed primarily for the heaviest game.

G. & H. SHORT MAUSER



.250/3000 RIFLES

This .25 caliber rifle is intended primarily for such game as woodchucks and coyotes, which often have to be shot at long range. It may be loaded with reduced charges for smaller game. With 100-grain open-point bullet at maximum velocity it is excellent for any game up to deer.

We are making a specialty of designing rifles for wood-chuck shooting, and for this strongly recommend either this or the .25 Special caliber.

.35 REMINGTON

This is a very popular high power cartridge which we have adapted with excellent results to the short Mauser action. This combination permits of a rifle with the maximum smashing blow and lightness of weight. It is an excellent moose rifle, particularly for women, who require a light weight yet powerful rifle. Loaded with the 200-grain bullet

it gives a muzzle velocity of 2020 feet and a muzzle energy of 1811 pounds; with the 150 grain bullet it gives a muzzle velocity of 2350 feet and a muzzle energy of 1840 pounds.

6.5 MM.

The 6.5 mm. cartridge was one of the earliest small bore high velocity cartridges developed in Europe, and is still very popular both abroad and in this country. It is loaded with both 140 and 160 grain bullets, giving velocities of 2475 and 2177 feet per second respectively with muzzle energies of 1910 and 1680 pounds.

It is not as accurate, however, as the 7 mm. or 30/06 Springfield cartridges. It will be found satisfactory for all American game with the possible exception of Alaskan brown bear, grizzly bear and moose. It cannot be relied upon to give clean kills with the first shot on these three species.

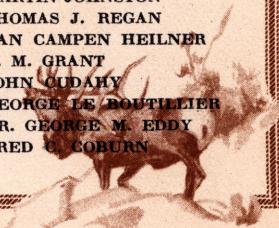
A FEW PROMINENT G. & H. RIFLE OWNERS

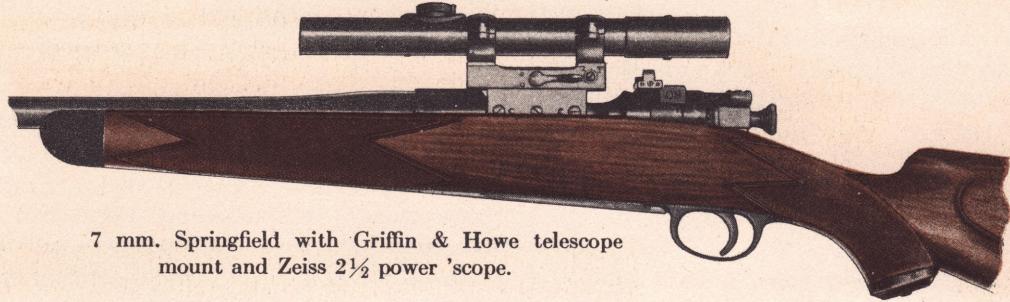
HARRY PAYNE WHITNEY
RALPH PULITZER
F. B. PATTERSON
GEN. FECHEP
H. P. DAVISON
DUNCAN READ
JAMES L. CLARK
PHILIP H. PERCIVAL
F. J. HORNE
Z. MARSHALL CRANE

COL. TOWNSEND WHELEN
WM. A. READ, JR.
C. T. CHURCH
L. R. FROST
WILTON LLOYD SMITH
JAMES L. GERRY
GEN. WILLIAM MITCHELL
W. J. MORDEN
CAPT. PAUL CURTIS
CAPT. E. C. CROSSMAN

LEE PARSONS DAVIS
DONALD GEDDES
STUART SCOTT
COL. H. P. SHELDON
EDWARD C. DELAFIELD
GEO. W. BURLEIGH
CAPT. GROSVENOR WOTKYNS
SIDNEY W. NOYES
JOHN HOLMAN
WILLIAM N. BEACH

MARCUS DALY
ANTHONY FIALA
MARTIN JOHNSTON
THOMAS J. REGAN
VAN CAMPEN HEILNER
R. M. GRANT
JOHN CUDAHY
GEORGE LE ROUTILLIER
DR. GEORGE M. EDDY
FRED C. COBURN





7 mm. Springfield with Griffin & Howe telescope
mount and Zeiss 2 1/2 power 'scope.

We quote the following from an article by Capt. Paul A. Curtis, editor of the Arms and Ammunition Department of Field and Stream, on this rifle and scope, which appeared in the October, 1927, issue of Field and Stream:

"We are illustrating above a new telescope mount designed and manufactured by Griffin & Howe. So far as we are aware this particular mount is the first one, other than the maker's working model, to be produced and, quite obviously, was constructed at considerable expense to permit its being given a thorough try-out.

"The scope and mount as shown is attached to a 7 mm. Springfield built by the above mentioned firm for Mrs. Curtis to use on our trip into Northwestern Alberta, which we are taking for sheep, goats, moose, mule deer and bear.

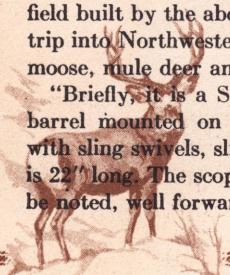
"Briefly, it is a Springfield action, to which is attached a 7 mm. barrel mounted on a superbly fitted and finished stock to weigh, with sling swivels, sling and front sight protector, 7 1/2 lbs. The barrel is 22" long. The scope is a Zeiss Zielklein 2 1/2 power, mounted, it will be noted, well forward from the bolt so as to permit the 'scope being

used with comfort from the prone position, although most equally well in the sitting or off-hand position.

"The mount is in many ways distinct and superior to the ————— which I have favored heretofore.

* * * *

"A few nights ago I fired the rifle with this combination on it for the first time, and accurately sighted it for both elevation and windage on a 200 yard range with 20 shots—a thing which I have never been able to do before with any scope mount which I have ever tried. The following day, Mrs. Curtis shooting from the prone position without a strap—as one would in the game fields—made a 5 shot group 1 5/8" high by 1 1/4" wide from centre to centre—at 100 yards. I have yet to see a better group made under such conditions."

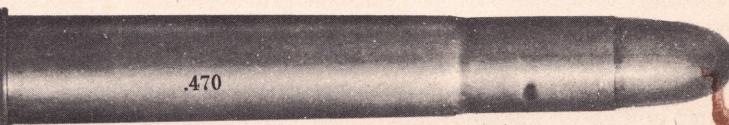
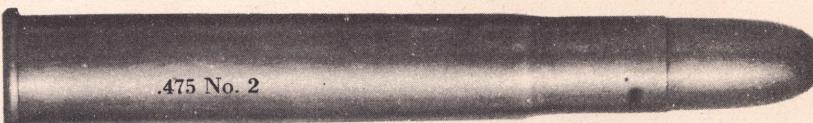


DOUBLE HIGH VELOCITY RIFLES



We take pleasure in presenting to big game hunters of America high velocity double rifles, both box lock and side lock. We specialize in rifles built for the .470 cartridge, for two reasons. First, because we find that with this ammunition the best shooting results are obtained and, secondly, owing to the fact that the .470 Kynoch, not being a proprietary cartridge, is obtainable in all parts of the world. Each rifle is tested for accuracy at 50 and 100 yards. Barrels are made from the finest steel obtainable.

In building our double rifles, special attention has been paid to the action, which is made to withstand pressure considerably in excess of the cartridges for which they are intended, thus insuring maximum safety. Solid lumps are used, thereby strengthening the action still further. The weight of a double rifle is of course largely dependent on the caliber. In .470 the weight is approximately eleven pounds in box-lock model and a little more in side lock. The rifles are finely engraved and the highest workmanship is embodied in their manufacture.





HIGH GRADE SHOTGUNS

We are prepared to supply our patrons with British shotguns, either from stock or made to order, with any standard type of action and weight.

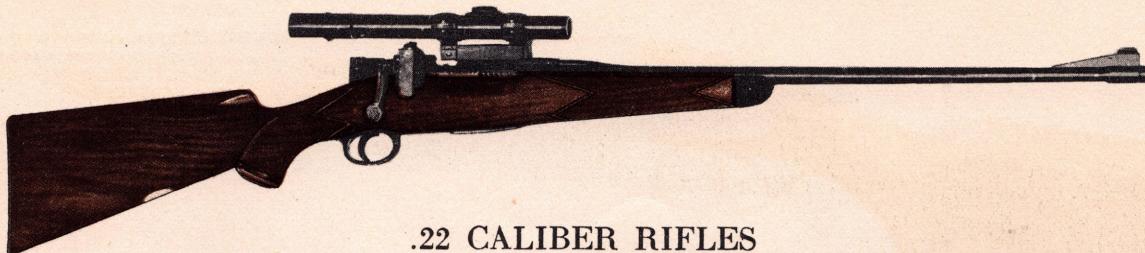
The gun illustrated is a typical London finish game gun with seven-point side locks, concealed screw bit and double under lugs, Southgate ejectors and Purdie fore-end. Such a gun is usually supplied with the straight grip stock but it will be fitted with a pistol grip if required, in twelve, sixteen or twenty-bore—twelve-bore from $6\frac{1}{2}$ pounds weight up, with the 26-, 28- or 30-inch barrels; sixteen-gauge from 6 pounds and twenty-gauge from $5\frac{1}{2}$ pounds up.

When we supply a twelve-bore $6\frac{1}{2}$ pound gun with 30-inch barrels, it can only be done because these perfectly finished, hand made guns have a proper distribution of the metal throughout. They are just as safe with standard loads as any heavy gun on the market.

Usually we would recommend the use of a box lock Anson & Dealey action on a twenty-bore or a heavy gun intended for duck shooting, for the box lock permits a stronger fastening of the stock to the action. The twenty-bore side lock, in view of the large amount of wood which must be cut away, is not so strong.

The guns are engraved in the best English fashion in either small scroll or game scenes and the scrolls are all backed out as they should be in the best work. In the highest grade guns, they will be fitted with Chopper lump Vickers A-steel barrels and Chilton lock which are recognized as the finest that can be produced to-day. Side clips may be had, if desired.

Such a gun is not an expensive plaything. It is an investment for the future and, with proper care and treatment, will bring more twenty years from now than it costs today.



.22 CALIBER RIFLES

The vast improvement in ballistic qualities of the .22 caliber cartridges, particularly the .22 long rifle, during the past few years has greatly popularized this caliber. Small bore matches using this cartridge have become an important feature in all match rifle shooting tournaments. The .22 caliber rifle has always been an important arm on big game expeditions for filling the larder with small game usually encountered, the principal advantages in this connection being that its small report does not frighten the larger game in the territory travelled and the light bullet will not mutilate or destroy the meat of small animals and birds. We have supplied a number of African expeditions with these rifles for the purpose of securing a supply of small game that abounds there.

The above illustration shows a Griffin & Howe medium weight .22 caliber Springfield Sporter fitted with a Griffin & Howe 'scope mount and Zeiss 2½-power telescope sight. This caliber can also be built with either the Winchester model 52 bolt, B.S.A., or Martini falling block actions. These rifles may be had in any desired barrel length, weight, or type of stock. Barrel may be chambered with tight chambers to insure the greatest possible accuracy for match purposes. These rifles can be fitted with Winchester, Fecker or Belding & Mull telescope sights for target work, or with Zeiss or Hensoldt telescope sights for both target and game use, using the G. & H. mount for mounting.



G. & H. REMINGTON SPORTER

The above illustration shows a model .30 Remington Express rebuilt by us. This type of rifle can be furnished in .25, .30 or .35 Remington, also in .30/06 Springfield and 7 mm. When the 7 mm. caliber is desired a special barrel must be fitted to the rifle.

The Winchester Model 54 bolt-action rifle can also be rebuilt by us to required stock dimensions. This model can be furnished in .270 Winchester and .30/06 Springfield calibers only.

Either of these models may be equipped with Griffin & Howe telescope sight mount and any 22 mm. (diameter) rifle telescope as above illustrated.

A specially designed low type of Griffin & Howe mount, adapted only to the Remington model above described, permits of the telescope sight being set very low. This exceptionally low mount on the Remington model is made possible by reason of the specially shaped bolt handle on the Remington action.





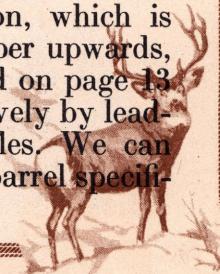
G. & H. SAVAGE SPORTER

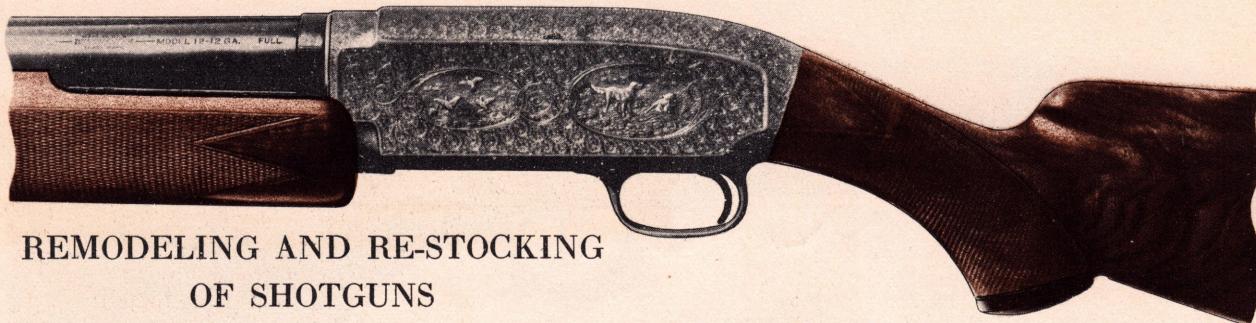
While the present day tendency is toward bolt-action rifles for game hunting purposes, there are some sportsmen who prefer lever-action arms. To meet this demand we can rebuild lever-action Winchester or Savage rifles, furnishing stocks and forearms to required specifications, and also when required equipping such rifles with barrels in any shape or dimensions, including ribbed barrels.

The above illustration shows a De Luxe grade Savage lever-action rifle with finest quality Circassian stock and forearm. As will be noted, the broad metal surface of the lever action lends itself to very fine designs of engraving.



We illustrate here a Farquahson falling-block action, which is adaptable for all center-fire rim cartridges from .25 caliber upwards, including the heavy double express cartridges illustrated on page 13 of this catalog. This type of action is used almost exclusively by leading English gunmakers in single-action high-power rifles. We can build rifles using this action with any desired stock and barrel specifications.





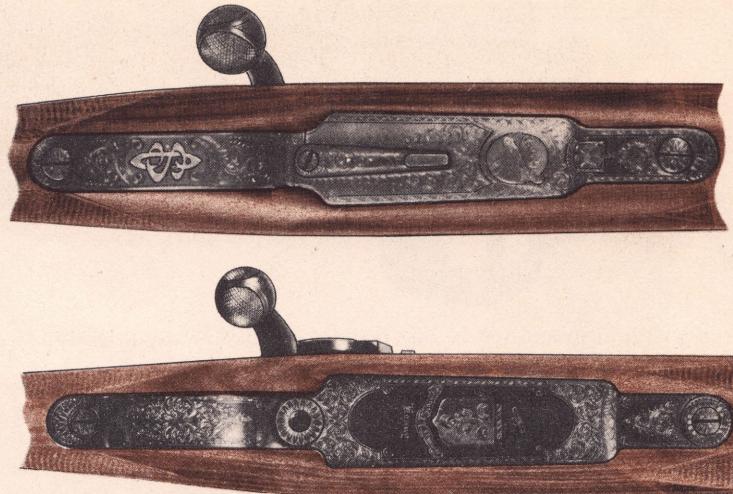
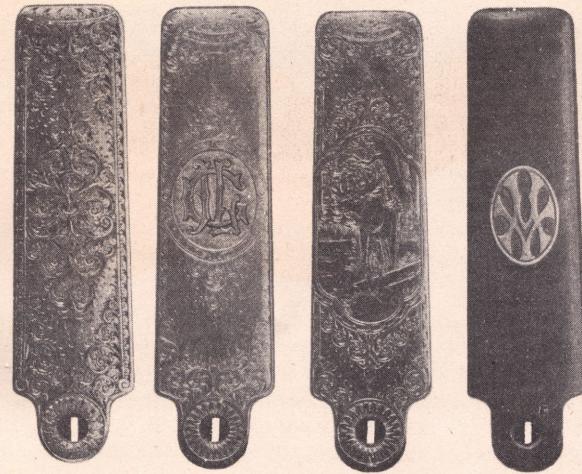
REMODELING AND RE-STOCKING OF SHOTGUNS

We re-stock and remodel Winchester and Remington repeating shotguns in both field and trap grades, thereby insuring to the shooter properly fitted stock measurements and balance, which are not ordinarily obtained from the standard dimensioned stocks supplied by the commercial manufacturers.

A great many trap shooters are laboring under a continual handicap in using a gun that does not fit. Proper measurements are taken with a "try gun." Only the finest grade Circassian walnut is used in building the stock and forearm. Also any desired type of engraving or monogram lettering may be incorporated in the gun.

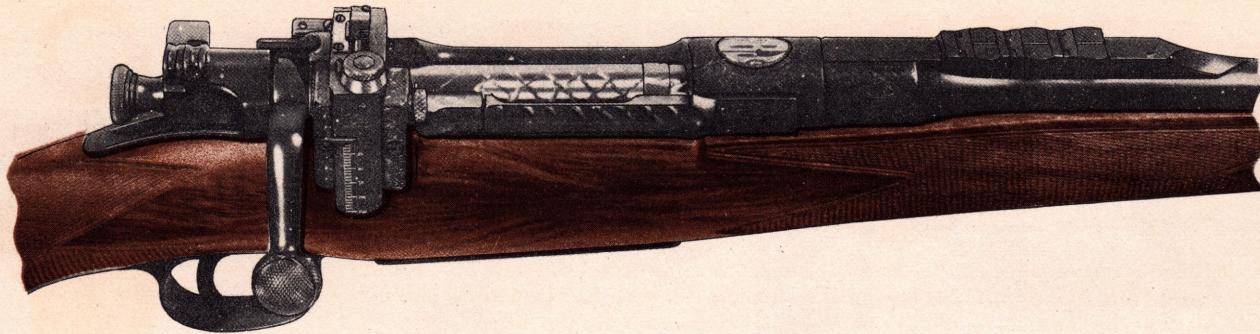
The above remarks apply equally well to the stocking of double-barrel field and duck guns and to trap guns.

The above illustration shows a ribbed barrel Winchester repeating shotgun with stock and specially shaped forearm of Circassian walnut, and with game scene engraving and inlaid gold monogram on top of action.



ENGRAVING

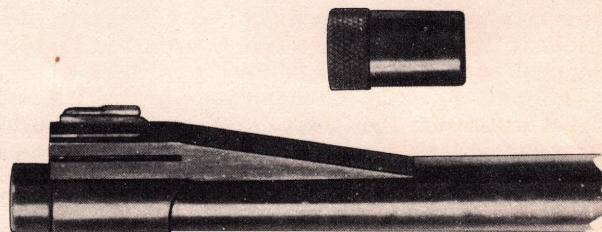
The above illustrations of engraving and inlaid gold monograms on floor plates and trigger guards of rifle actions will serve to show the type of fine embellishment that we are capable of doing. All of such engraving is done by hand. Any desired game scene, scroll design, inlaid monogram or coat-of-arms in silver, gold or platinum, can be done as desired. Designs will be submitted on request.

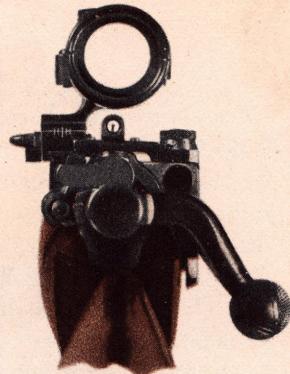
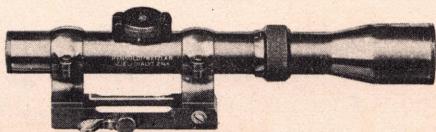
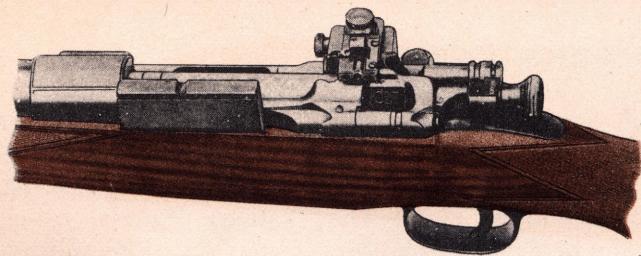


Of prime importance to one ordering a rifle is the selection of sights most adaptable to the sportsman. While the peep sight is generally considered the most practical form of sight and most correct optically, the open type of sight has many advocates. Also, there are certain hunting and light conditions when best results can be obtained with an open type of sight. The above illustration shows a rifle equipped with both peep and open sights adaptable to all conditions. All of the leaves of the open sight illustrated can be folded down when the No. 48 Lyman peep sight is being used.

We also furnish the English open express type of sight, which is similar to the open sight shown on the illustration, except that the first open sight is a standing bar which can be furnished with either "U" or "V" shape notch. This type of open sight with standing bar can be furnished with one, two, or three additional folding leaves of different heights to correspond to increasing ranges. The open type of sight is installed most practically on rifles equipped with half- or full-matted ribbed barrels. The illustration shows a half-matted ribbed barrel.

We can furnish any type of front-sight base desired. The most practical and popular type is the sloping matted ramp base shown in the illustration. This type of base is slotted lengthwise to take the caterpillar shaped front sight which is driven in from the front and is readily removable. Front-sight beads are furnished in small, medium and coarse size, and in gold, ivory or white metal. We recommend the medium-size gold bead for all general purposes. With each ramp sight there is furnished a removable sight protector.





attachment to the rifle and adjustment. Windage adjustment is secured by the screw at the lower right-hand corner of the mount. Elevation adjustment is secured by a knurled nut at the top of and a part of the telescope sight. As will be observed, the open sights may be used without dismounting the 'scope.

Telescopic rifle sights have always interested the up-to-date rifleman and hunter and their use in the field has increased greatly in recent years. The telescopes for both hunting and target use have reached a high point of perfection. Mounts for such telescopes have not, however, kept pace with the telescopes and this fact has somewhat retarded the general use of the scope sight. With the perfection of the Griffin & Howe mount we believe that the problem of a practical, simple, compact mounting has been solved.

The most essential requirement of a practical mount is that it will assure the telescope's going back into the same alignment with the bore of the barrel upon its being mounted each time. In the Griffin & Howe mount, the movable base is clamped to the fixed base dovetail by means of a split sleeve and cam and also a pin which bites half into the fixed and half into the removable base. This mechanical device

The above illustrations show different views of G. & H. sight mount and the method of attachment to the rifle and adjustment. Windage adjustment is secured by the screw at the lower right-hand corner of the mount. Elevation adjustment is secured by a knurled nut at the top of and a part of the telescope sight. As will be observed, the open sights may be used without dismounting the 'scope.

assures the movable bases being bound securely to the fixed base and always in the same identical position. The small lever on the side of the movable base, which operates the locking pin, extends but very little from the side of the mount and is so shaped as not to catch in brush or twigs. The telescope is clamped in the arms of the mount in such a way that it can be shifted back and forth to assure just the desired eye relief in the various firing positions. Also, it can be readily removed without changing its adjustment.

The windage adjustment has but one adjusting screw, which is turned in the direction in which one wishes to shoot. On the rear base of the mount there is a scale showing the correction in windage. The scope and movable base can be removed in two seconds' time by raising the clamping lever and pulling the scope forward. Leaflets descriptive of the different makes and types of telescopes, will be sent upon request.

HOW TO OBTAIN A SPRINGFIELD RIFLE

Any American citizen who is a member of the National Rifle Association may purchase a Springfield Military Rifle for his own use through the Director of Civilian Marksmanship. Application blank for membership in the National Rifle Association may be obtained either from us or from the Secretary of the Association, Woodward Building, Washington, D. C. Annual dues are \$3.00. The National Rifle Association sends with the membership card a price list of government and other arms that may be purchased at cost by members. Full directions for ordering are given. Also we will be glad to send on request at any time copy of the current price list with directions for ordering.

There are two different types of Springfield .30/06 Caliber Model 1903 rifles. One is known as the "Sporting Type," which is equipped with a heavy stiff barrel and the stock of which can be remodeled into a sporting rifle weighing from $8\frac{1}{2}$ to $8\frac{3}{4}$ pounds. The "National Match" type of Springfield has a slightly lighter barrel and when re-stocked with a sporting type stock as made by us and with the barrel unmodified, remodels to about $8\frac{1}{4}$ pounds in weight. By further reduction of the barrel or shortening of it the "Sporting Type" Springfield may be remodeled to weigh as light as $7\frac{1}{4}$

pounds as indicated on page 8 of this catalog. If one desires to have a completely remodeled stock and to have the rifle either medium or light, it is generally advisable to order the "National Match" type. The "National Match" type of rifle may be ordered from the Director of Civilian Marksmanship without the stock, in which event the cost of barrel action and all metal parts is approximately \$30.00. Having been supplied with the National Match type of rifle without the military stock, we can then proceed at the customer's order to equip it with a "Sporting Type" stock to any required dimension and also provide such rifle with any type of sights desired.

We will gladly give any further information desired regarding ordering of this type of rifle and the building of it into a Sporting Springfield.

We strongly recommend that all sportsmen, hunters and riflemen become members of the National Rifle Association, which is sponsored and supported by the United States War Department, and which is the only national body devoted to the furtherance of rifle marksmanship and the knowledge of standard Army small arms equipment.

BALLISTICS OF GRIFFIN & HOWE RIFLES

CARTRIDGE	BULLET WEIGHT GRAINS	MUZZLE VELOCITY F. S.	MUZZLE ENERGY FT. LBS.	TRAJECTORY 200 YDS. HT. AT 100 YDS. INCHES
.500-465	465	2300	5125	4.25
.475 #2	480	2200	5152	4.50
.470	500	2125	5007	4.76
.450-400	400	2150	4100	5.00
.416 Magnum	410	2375	5130	4.80
.404 Magnum	400	2200	4300	4.50
.404 Magnum	300	2490	4130	3.85
.400 Whelen	350	2200	3760	4.08
.400 Whelen	300	2375	3760	3.97
.375 Magnum	300	2450	4000	2.86
.375 Magnum	270	2560	3924	3.46
.375 Magnum	235	2680	3750	3.31
.350 Magnum	275	2441	3638	3.50
.35 Whelen	275	2250	3100	3.72
.35 Whelen	220	2500	3055	3.24
.300 Magnum	220	2550	3180	3.44
.300 Magnum	180	2850	3256	2.78
.300 Magnum	150	3150	3305	2.16
.30-06 U.S.	220	2450	2935	3.50
.30-06 U.S.	200	2350	2454	3.59
.36-06 U.S.	180	2720	2956	2.72
.30-06 U.S. M1	172	2700	2786	2.90
7 mm. Mauser	175	2300	2055	5.41
7 mm. Mauser	139	3000	2780	2.12
.25 Special	100	2950	1934	2.70
.25 Special	87	3150	1917	2.40
.250-3000 S.	100	2825	1773	2.30
.250-3000 S.	87	3000	1740	2.50

Velocities taken in 24-inch barrels. For other length barrels, add or subtract approximately 25 f. s. per inch.

SPORTSMEN'S EQUIPMENT

We completely outfit hunting, exploring and camping expeditions. A great many articles of equipment have been specially designed by us, such as eiderdown sleeping robes, coats, parkas and vests; combination pack sacks and duffle bags; combination gun scabbards and carrying cases; special carrying cases for automatic movie cameras, etc. Our 100-page equipment catalogue and manual describes these articles as well as tents, sleeping bags and robes, camp accessories, ammunition, still cameras, automatic movie cameras, film, binoculars, compasses, air mattresses, cooking kits, hunting knives, medical kits, and hunting clothing. Twenty pages of the catalogue are devoted to the proper selection of camp bedding, hunting clothing, tents and hunting rifles.

DELIVERIES

Deliveries on complete rifles and remodelling can usually be made in four to eight weeks. However, if special features are specified, such as telescopes with special graticules, we are often delayed in obtaining these, due to no fault of our own. Every order goes on our priority list and must take its turn in the shop. Certain work can only be performed by certain selected workmen and to be done right must be done slowly and very carefully. We do not attempt to speed up

our workmen as we insist on a standard and fineness of workmanship which is not compatible with fast work. Give us sufficient time to give your order proper attention in its regular turn. We cannot keep prior orders waiting to push the order of the customer who waits until the last minute. We try to provide, however, by keeping in stock a number of rifles made to average specifications.

PRICES AND TERMS

Prices will be found in our Price List which is issued from time to time. Our terms are 25% of price when the order is placed and balance before delivery. We find it necessary, on account of the large percentage of labor in our costs, to operate on a cash basis.

A made to order rifle cannot be readily sold to other than the one for whom it was made, for ordinarily it would not conform in every detail to another's requirements. We therefore insist that an arm made to detailed specifications be accepted or the deposit forfeited.

*Thumbnail sketches of American big game animals illustrating this catalogue are from the etchings of Carl Rungius
by courtesy of Harlow, McDonald & Co. These etchings are on sale in our show rooms.*

